

Chronicle

Visiting scientists

Dr. M. T. FERNANDEZ MARRÓN (U.E.I. of Paleontology, Institute of Economic Geology, C.S.I.C.—U.C.M., Madrid, Spain).

Her stay in the laboratory — 19. 5. 1992 — 29. 5. 1992. — was a part of the joint research program: “Estudio de diversos aspectos paleobotánicos del Cretácico superior del Cerro de la Mesa (Norte de la provincia Madrid)”. As the first paper of this program the 2nd contribution of this number was completed. Moreover an abstract for the 9th Simposio de Palinologia, A.P.L.E. (Las Palmas, Gran Canaria) was also prepared.

26, 27. 5. 1992. — Katarina DUJMOVIC—KRIZMANIC (Croatian Natural History Museum, Zagreb, Croatia) and Kresimir KRIZMANIC (INA — NAFTAPLIN, Geological Exploration and Development Division, Laboratory Research Department, Zagreb, Croatia) — visited the laboratory. The aim of this visit was in the first place to establish personal contacts, and to discuss about the research programs and projects of the respective laboratories.

Dr. Shyam C. SRIVASTAVA, Assistant Director and Head of Mesophytic Evolutionary Botany, Convener-Secretary of BIRBAL-SAVITRI SAHNI Foundation (686, BIRBAL SAHNI Marg., Lucknow, India), visited Hungary. From September 3 to 6 in Szeged, then up to 10 September in Budapest. In Szeged he studied the different kinds of research programs and activities of the laboratory. In Budapest, the collections of the plant macroremnants were the subject of his investigations.

International laboratory activity

Workshop on Pyrolysis in Organic Geochemistry International Workshop, June 9—11, 1992, Szeged, Hungary.

KEDVES, M., ROJK, I. and VÉR, A.: Ultrastructure and biopolymer organization of the *Botryococcus* colonies from Hungarian alginite. — Abstracts, 21, 22.

SAJGÓ, Cs., HETÉNYI, M. and KEDVES, M.: Palynology and organic geochemistry of Tertiary low rank coals in Hungary. — Abstracts, 36, 37.

From July 21 until July 24, Dr. M. KEDVES and G. JERINIC M.Sc. (Geological Institute, Zagreb, Croatia) visited Slovenia. Under the guidance of Dr. B. JELEN (Geological Institute, Ljubljana, Republic of Slovenia) the following Paleogene layers were investigated: Sava Folds (Zagorje — Lasko Syncline), Lower “Socka Beds”, coal, Upper “Socka Beds”, Oligocene Marine Clay. Coal bearing strata containing palynological assemblages of the type of Dorog, Tatabánya, Dudar and Balinka were investigated in the environment of Velenje, Doberna, Socka, Konjiska gora, Klece and Makole. At Lepena the stratigraphical section of coal bearing strata containing Eocene molluscan fauna, similar to the Dorog Basin (Hungary) were studied. During this visit several discussions were carried on, and publications and further cooperations were planned. A paper concerning the spore-pollen assemblages of “Dorog type” in Slovenia, Middle Eocene is in progress, and is to be published soon.



A photograph of Dr. S. C. SRIVASTAVA in the office of Dr. M. KEDVES. The picture was taken by Dr. É. SIPOS-KEDVES.

8th International Palynological Congress, September 6–12, 1992, Aix-en-Provence, France.

KEDVES, M.: Upper Cretaceous paleophytogeography on palynological basis. — Abstracts, 74.

KEDVES, M., FARKAS, E., GOTTL, E., MÉSZÁROS, K. et TÓTH, A.: L'importance des formes secondaires des sporomorphes produites par voie expérimentale. — Abstracts, 75.

KEDVES, M., TÓTH, A. and FARKAS, E.: Experimental investigation of the biopolymer organization of the sporoderm (recent and fossil). — Abstracts, 75.

From 5 October until 19 October Dr. M. KEDVES worked in the Department of Paleontology (Facultad de Ciencias Geologicas, Universidad Complutense de Madrid) as visiting scientists together with Prof. Dr. C. ALVAREZ RAMIS and Dr. M. T. FERNANDEZ MARRÓN on the previously mentioned joint research program.

9° Simposio de Palinologia A.P.L.E., Las Palmas de Gran Canaria, 30 — Noviembre / 4 — Diciembre 1992.

ALVAREZ RAMIS, C., KEDVES, M. y FERNANDEZ MARRÓN, T.: Asociaciones esporopólinicas del Cretácico superior del Cerro de la Mesa (Guadalupe de la Sierra, Provincia de Madrid). — Resúmenes, 28.

KEDVES, M. et TÓTH, A.: Premiers résultats du système de biopolymère stabilisateur du squelette quasi-cristalloïde de l'exine. — Resúmenes, 20.

Hungarian scientific activities

Symmetry — Asymmetry

Conference, March 26–27, 1992, Szeged, Hungary.

KEDVES, M.: Biopolimer struktúrák szimmetriája.

Paleobotany and Environment

Contributions, May 18, 1992, Budapest, Hungary.

KEDVES, M.: A növényi mikroszkópos maradványok paleoökológiai jelentősége.

Laboratory meetings

21.2.1991, speaker: KEDVES, M.: Three dimensional modelling of the biopolymer systems of the sporoderm.

Report from the participation of the XIIth Symposium of the A.P.L.F. "Biogeographie et Palynologie", Caen 23–27, September, 1991, France, speaker: KEDVES, M.

6.3.1991, speaker: KEDVES, M.: Trends of the multidisciplinary micropaleontology and its practical connections.

Report from the field trip in Egypt—I, speaker: KEDVES, M.

24.4.1992, speaker: GÁSPÁR, I.: Review of the paper of GOLENBERG, E. M., GIANNASI, D. E., CLEGG, M. T., SMILEY, CH. J., DURBIN, M., HENDERSON, D. and ZURAWSKI, G. (1990): Chloroplast DNA sequence from a Miocene *Magnolia* species. — Nature 344, 656–658.

- Report from the field trip in Egypt—II, speaker: KEDVES, M.
20.10.1992, speaker: KEDVES, M.: Report on foreign study-tours. Discussion of the up-to-date research programs of the laboratory.
6.11.1992, speaker: VÉR, A.: Discussion of her certificate dissertation.
Report on foreign trips in 1992: Cyprus, Egypt, Slovenia, Aix-en-Provence, Arles, Camargne, Madrid, speaker: KEDVES, M.

Teaching program of the laboratory

During the last two semesters the following lectures were delivered:
Introduction to the plant micropaleontology of pre-Quaternary deposits, 1+2 hours weekly.
Organizations levels of the biopolymer system of the plant cell wall, 1+2 hours weekly.
Theory of the evolution and its natural philosophical relations, 1 lecture weekly.

